

Withers, David, 2003. Distributional Surveys for *Anguispira picta*, Painted Snake Coiled Forest Snail, a report to the U.S. Fish & Wildlife Service under Revenue Grant #1448-40181-02-G-051. Tennessee Division of Natural Heritage, Nashville, 20 pp.

Introduction and Summary

The painted snake coiled forest snail (Buck Creek snail, *Anguispira picta* Clapp) was first reported from Buck Creek Cove, Franklin County, TN, in 1906 and published as *Pyramidula picta* (Clapp, 1920). The species was later relegated to subspecific status by Pilsbry (1948), who referred to the taxon as *Anguispira cumberlandiana picta*. Solem (1976) subsequently elevated the Tennessee endemic to species status, recognizing the distinct habitat requirements and limited distribution of the species. The snail was listed as Threatened by the U.S. Fish and & Wildlife Service (USFWS) in 1978.

The species was believed to exist only at the type locality, and as late as the early 1980's had not been documented elsewhere (Van Devender, 1982). The current survey was conducted to determine the status of the species within Buck Creek Cove, and to search additional portions of the Crow Creek Valley for the occurrence of the snail. Additionally, areas that contained apparently suitable habitat – but no *A. picta* – were evaluated as potential translocation sites.

Withers, David Ian, 2004. Distributional Surveys for the Painted Snake Coiled Forest Snail (*Anguispira picta*) under Revenue Grant #1448-40181-02-G-051, Addendum to Final Report. Tennessee Division of Natural Heritage, Nashville, 11 pp.

Introduction and Summary

In order to better determine the occupied range of *Anguispira picta*, several properties proximal to the range documented in 2003 were surveyed for the species and for potential habitat. Additionally, the portion of the Cumberland Plateau escarpment north and immediate to the open face of the Gager mine was similarly examined. Lastly, a conservation property in the Elk River drainage was evaluated as a potential translocation site for the species.

Despite intensive surveys, no additional properties containing *Anguispira picta* were documented, though apparently suitable habitat was found in several locations. The present known distribution remains that as determined in 2003.